

What Is Claimed Is:

1. An atomizer nozzle (1) for fuels, particularly for feeding them into a chemical reformer for obtaining hydrogen, comprising a nozzle body (2) having spray-discharge orifices (3) that discharge into a metering space, and at least one metering aperture (6),
wherein the spray-discharge orifices (3) are situated at elevation levels (4) so as to have a radial directional component with respect to a center line (10) of the nozzle body (2), each elevation level having at least one spray-discharge orifice (3), and the at least one spray-discharge orifice (3) of at least one elevation level (4) being directly connected to at least one channel (14) of a nozzle-body insert (5) that has at least one flow-through opening (11).
2. The atomizer nozzle as recited in Claim 1,
wherein the nozzle body (2) is in the shape of a hollow cylinder.
3. The atomizer nozzle as recited in Claim 1 or 2,
wherein the nozzle body (2) is completely or partially made up of at least one nozzle-body insert (5).
4. The atomizer nozzle as recited in one of Claims 1 through 3,
wherein the nozzle-body inserts (5) have internal threads (17) or external threads (18) on the influx and/or discharge side, the nozzle-body inserts being screwed to the nozzle body (2) and/or to another nozzle-body insert (5) in a hydraulically sealed manner with the aid of the internal threads or external threads.
5. The atomizer nozzle as recited in one of Claims 1 through 3,
wherein the at least one nozzle-body insert (5) is press-fitted, bonded, and/or welded, in particular laser-welded, to the nozzle body (2) in a hydraulically sealed manner.
6. The atomizer nozzle as recited in one of Claims 1 through 5,
wherein a gas-supply port (7) is situated in the nozzle body (2) between the first elevation level (4.1) and the metering aperture (6).
7. The atomizer nozzle as recited in one of Claims 1 through 6, wherein at least one additional spray-discharge orifice (3) having an axial directional component with respect to the center line (10) of the nozzle body (2) is situated downstream from the last elevation level (4.8).

8. The atomizer nozzle as recited in one of Claims 1 through 7, wherein the center line (12) of the flow-through opening (11) of the nozzle-body insert (5) runs parallel to the center line (10) of the nozzle body (2).
9. The atomizer nozzle as recited in one of Claims 1 through 8, wherein at least one of the nozzle body inserts (5) has a rectangular cross-section.
10. The atomizer nozzle as recited in one of Claims 1 through 9, wherein the cross-section of the flow-through opening (11) is rectangular or trapezoidal.
11. The atomizer nozzle as recited in one of Claims 1 through 10, wherein the flow-through opening (11) has at least two uniform cross-sections of different size, in particular in the form of a stepped bore hole.
12. The atomizer nozzle as recited in one of Claims 1 through 11, wherein the nozzle body (2) has at least one section (13) of reduced wall thickness in its axial profile.
13. The atomizer nozzle as recited in Claim 14, wherein the section (13) of reduced wall thickness runs in the region of an elevation level (4).